IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

APPLICANT(S): Woogeun Rhee
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ASSIGNEE NAME: International Business Machines Corporation

ASSIGNEE RESIDENCE: Armonk, New York

TITLE: Voltage-Controlled Delay Circuit Using Second-Order Phase Interpolation

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I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date of Deposit: October 30, 2003

Signature: _____

COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

SIR:

Enclosed are the following papers relating to the above-named application for patent:
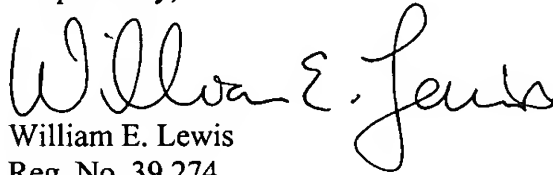
>   Application - 8 pages of Specification, 3 pages of Claims and 1 page of Abstract
>   5 Sheets of informal drawing(s)
>   Declaration (unexecuted)

CLAIMS AS FILED				
	NO. FILED	NO. EXTRA	RATE	CALCULATIONS
Total Claims	15-20 =	0	x $18 =	$0
Independent Claims	5-3 =	2	x $86 =	$172
Multiple Dependent Claim(s), if applicable			$290 =	$0
Basic Fee				$770
			TOTAL FEE:	$942

Please file the application and charge **International Business Machines Corporation Deposit Account No. 50-0510** the amount of $942, to cover the filing fee. In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **Deposit Account No. 50-0510** as required to correct the error. Duplicate copies of this letter are enclosed.

Please address all correspondence to: **Ryan, Mason & Lewis, LLP, 90 Forest Avenue, Locust Valley, New York 11560.** Telephone calls should be made to the undersigned attorney at (516) 759-2946.

Respectfully,

Date: October 30, 2003

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